

WHAT IS CLAIMED:

1. An integrated heat dissipation apparatus, comprising:
a first heat dissipating element;
a second heat dissipating element;
5 a thermal conductive heat sink, having a connecting surface and a thermal conductive surface opposing to the connecting surface, wherein the first heat dissipating element is mounted on the thermal conductive surface;
a thermal conductor mounted to the connecting surface, wherein the thermal conductor has a thermal conductive coefficient larger than that of the
10 thermal conductive heat sink; and
at least one heat pipe with two terminal ends, wherein one terminal end is serial connected to the second heat dissipating element, and the other terminal end extends to connect with the thermal conductor.
2. The apparatus according to Claim 1, wherein the connecting
15 surface comprises a slot recessed therefrom for accommodating the thermal conductor therein.
3. The apparatus according to Claim 1, wherein the thermal conductive surface comprises a slot recessed therefrom for embedding the other terminal end of the heat pipe therein.
- 20 4. The apparatus according to Claim 1, wherein the connecting surface comprises a slot recessed therefrom for accommodating the thermal conductor therein, the thermal conductive surface comprises a slot recessed therefrom for embedding the other terminal end of the heat pipe therein, and the slot recessed from the thermal conductive surface is aligned and
25 communicated with the slot recessed from the connecting surface, such that the heat pipe is in contact with the thermal conductor.

5. The apparatus according to Claim 1, wherein the first heat dissipating element comprises two sets of fins located along two elongate sides of the heat pipe.

6. The apparatus according to Claim 1, wherein the heat pipe further
5 comprises a bent tube extending between the terminal ends.

7. The apparatus according to Claim 1, further comprising a fan installed at one side of the thermal conductive heat sink.

8. The apparatus according to Claim 7, wherein the fan further
comprises a wind mask connected across one side of the thermal conductive
10 heat sink, such that the first heat dissipating element is located at an opposing side of the thermal conductive heat sink allowing the fan to face towards the first and second heat dissipating elements.

9. The apparatus according to Claim 8, further comprising a fastening member, the second heat dissipating element including a receiving
15 space, and the wind mask including openings near the first and second heat dissipating elements, wherein the opening is aligned with the receiving space allowing the fastening member to be inserted into the opening and the receiving space.

10. The apparatus according to Claim 9, further comprising a
20 supporting member, wherein one end of the supporting member is locked with an interior wall of the wind mask, such that the fastening member is pressed on the supporting member.